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American Academy of Orthopaedic Surgeons Clinical Practice Guideline on

Diagnosis of Carpal Tunnel Syndrome

Michael Warren Keith, MD Victoria Masear, MD Kevin C. Chung, MD, MS Kent Maupin, MD Michael Andary, MD, MS Peter C. Amadio, MD William C. Watters III, MD Michael J. Goldberg, MD Robert H. Haralson III, MD, MBA Charles M. Turkelson, PhD Janet L. Wies, MPH Richard McGowan, MLS

Summary of Recommendations

- **Recommendation 1.1** The physician should obtain an accurate patient history (Level V, Grade C).
- **Recommendation 2.1** The physician should perform a physical examination of the patient that may include:

personal characteristics (Level V, Grade C)

performing a sensory examination (Level V, Grade C)

performing manual muscle testing of the upper extremity (Level V, Grade C)

performing provocative tests (Level V, Grade C), and/or

performing discriminatory tests for alternative diagnoses (Level V, Grade C).

- ➤ **Recommendation 3.1a** The physician may obtain electrodiagnostic tests to differentiate among diagnoses. (Level V, Grade C)
- ➤ **Recommendation 3.1b** The physician may obtain electrodiagnostic tests in the presence of thenar atrophy and/or persistent numbness (Level V, Grade C).

Disclosure: The authors did not receive any outside funding or grants in support of their research for or preparation of this work. One or more of the authors, or a member of his or her immediate family, received, in any one year, payments or other benefits in excess of \$10,000 or a commitment or agreement to provide such benefits from a commercial entity (Medtronic).

Disclaimer: This clinical guideline was developed by an AAOS physician volunteer Work Group and is provided as an educational tool based on an assessment of the current scientific and clinical information and accepted approaches to treatment. It is not intended to be a fixed protocol as some patients may require more or less treatment. Patient care and treatment should always be based on a clinician's independent medical judgment given the individual clinical circumstances.

The Journal of Bone & Joint Surgery • jbjs.org
Volume 91-A • Number 10 • October 2009

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- ➤ **Recommendation 3.1c** The physician should obtain electrodiagnostic tests if clinical and/or provocative tests are positive and surgical management is being considered (Level II and III, Grade B)
- ➤ **Recommendation 3.2** If the physician orders electrodiagnostic tests, the testing protocol should follow the AAN/AANEM/AAPMR guidelines for diagnosis of CTS (Level IV and V, Grade C).
- ➤ Recommendation 3.3 The physician should not routinely evaluate patients suspected of having carpal tunnel syndrome with new technology, such as magnetic resonance imaging (MRI), computerized axial tomography (CAT) and pressure specified sensorimotor devices (PSSD) in the wrist and hand. (Level V, Grade C).

Please note that Recommendation 3.3 is not based on a systematic literature review. An additional abbreviated review was completed following the face to face meeting of the Work Group on February 24, 2007.